GRANT SUMMARY

Completed Grant Summaries are made available to the public on the State Water Resources Control Board's (SWRCB) website at http://www.waterboards.ca.gov/funding/grantinfo.html

Use the tab and arrow keys to move through the form. If field is not applicable, please put N/A in field.

Date filled out: 5/23/08

Grant Information: Please use complete phrases/sentences. Fields will expand as you type.
1. **Grant Agreement Number:** 07-578-550-0
2. **Project Title:** Pismo Beach Source Identification Study
3. **Project Purpose - Problem Being Addressed:** Since the San Luis Obispo County Public Health Department (SLO-CPHD) began testing water quality in 2001, under CA statute AB411, Pismo Beach in the vicinity of the Pismo Pier has experienced increasing numbers of beach bacterial advisories during the summer months. As a result, Pismo Beach is on the Clean Beaches Task Force list of Priority Beaches. The City of Pismo Beach is interested in determining the source of these high Fecal Indicator Bacteria (FIB) levels and, with an eye to eliminating these summer beach advisory postings, has requested funding for a microbial source tracking study.
4. **Project Goals**
a. **Short-term Goals:** The primary goal of this project is to identify the biological sources of fecal contamination as well as the physical and environmental factors that influence FIB levels in the ocean water at Pismo Beach, CA. Water samples from selected locations will be tested for the presence and abundance of FIB and also tested to determine fecal sources. Physical and environmental data will be collected during sampling. The focus of the study is the beach around the Pismo Pier and the data will be used to recommend a remediation plan for Pismo Beach, identify reasonable water quality goals and providing suggested methods for reaching those goals.
b. **Long-term Goals:** First, this project will utilize several methods for fecal source tracking and will compare and contrast these methods, making recommendations for future use of source tracking methodology at California beaches. Perspectives on efficiency, cost and usefulness of data for remediation outcomes will be detailed. Part of this goal includes the validation of these methods with site-specific samples. Second, this project includes the detection and enumeration of a set of pathogens known to cause problems in recreational waters. This project will report on correlations between pathogen incidence and FIB counts as well as the sources of fecal bacteria. Last, this project will develop a rapid sample preparation and testing method for detecting human fecal contamination in beach water samples. The goal is to create a non-expert use assay, which can be completed in less than one hour that uses equipment easily affordable to small beach communities in California.
5. **Project Location:** (lat/longs, watershed, etc.) 35/-120
a. **Physical Size of Project:** (miles, acres, sq. ft., etc.) Approximately 15 mi.
b. **Counties Included in the Project:** San Luis Obispo
c. **Legislative Districts:** (Assembly and Senate) (Assembly District 33) (Senate District 15)
6. **Which SWRCB program is funding this grant?** Please "X" box that applies.   ☐ Prop 13   ☐ Prop 40   ☒ Prop 50   ☐ EPA 319(h)   ☐ Other
Grant Contact: Refers to Grant Project Director.
Name: Dennis Delzeit   **Job Title:** Public Works Director
Organization: City of Pismo Beach   **Webpage Address:** www.pismobeach.org

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Grant Time Frame: Refers to the implementation period of the grant.	
From: October 26, 2006	**To:** March 1, 2010
Project Partner Information: Name all agencies/groups involved with project. California Polytechnic State University, Institute for Environmental Health/Molecular Epidemiology, Inc., Advanced Liquid Logic, Inc.	
Nutrient and Sediment Load Reduction Projection: (If applicable) N/A	

Please provide a hard copy to your Grant Manager and an electronic copy to your Program Analyst for SWRCB website posting. All applicable fields are mandatory. Incomplete forms will be returned.